

# **Water Conservation Update**

**Drought Response Workshop**

**June 30, 2009**

**San Diego, California**

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California Department of Water Resources**

# DWR Drought Response

- Expedite bond funds
- Work with ACWA to launch new “Save Our Water” campaign
- Complete CIMIS upgrades
- Increase agricultural and urban water conservation activities
- Finalize the dual plumbing standards
- Develop a plan to reduce per capita water use by 20% by 2020
- Prepare a drought contingency plan

# 2009 Funding for Water Conservation

- \$20 million from Proposition 84 IRWM (SB1XX)
- USDA funds for agricultural water conservation programs
- \$15 million Prop 13 low interest loans
- \$20 million Prop 50 for agricultural water conservation projects

[www.owue.ca.gov/finance/index.cfm](http://www.owue.ca.gov/finance/index.cfm)

# **AB 1420 BMP Implementation Compliance**

- Conditions water management grants and loans on implementation of the Demand Management Measures
- Effective January 1, 2009

<http://www.owue.water.ca.gov/finance/index.cfm>

# Statewide Water Conservation Campaign

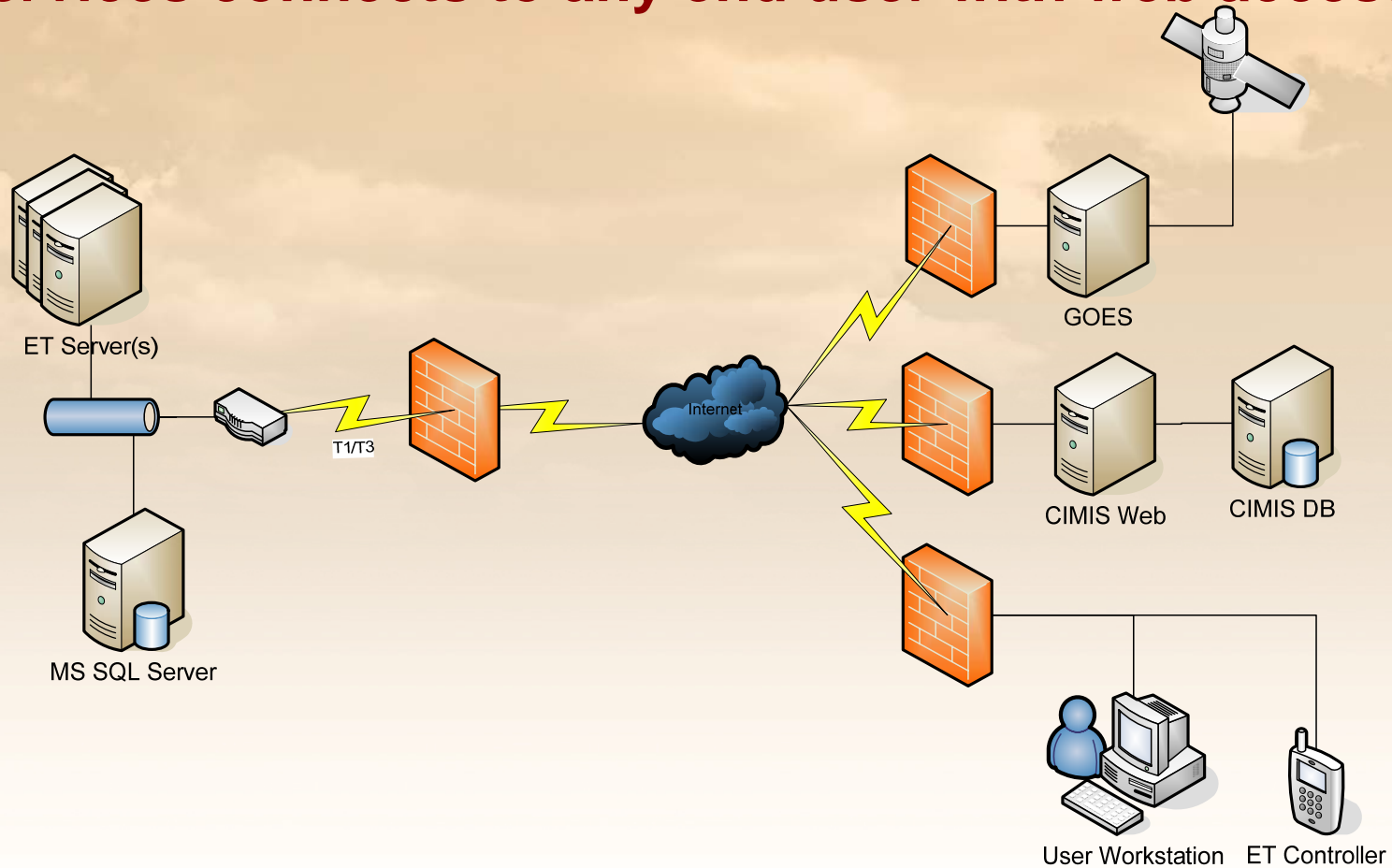


[www.saveourH2O.org](http://www.saveourH2O.org)

# New technologies coming to CIMIS

- Web services
- Daily produced ETo maps of California
- More frequent data updates for current day
- Easier data access and retrieval

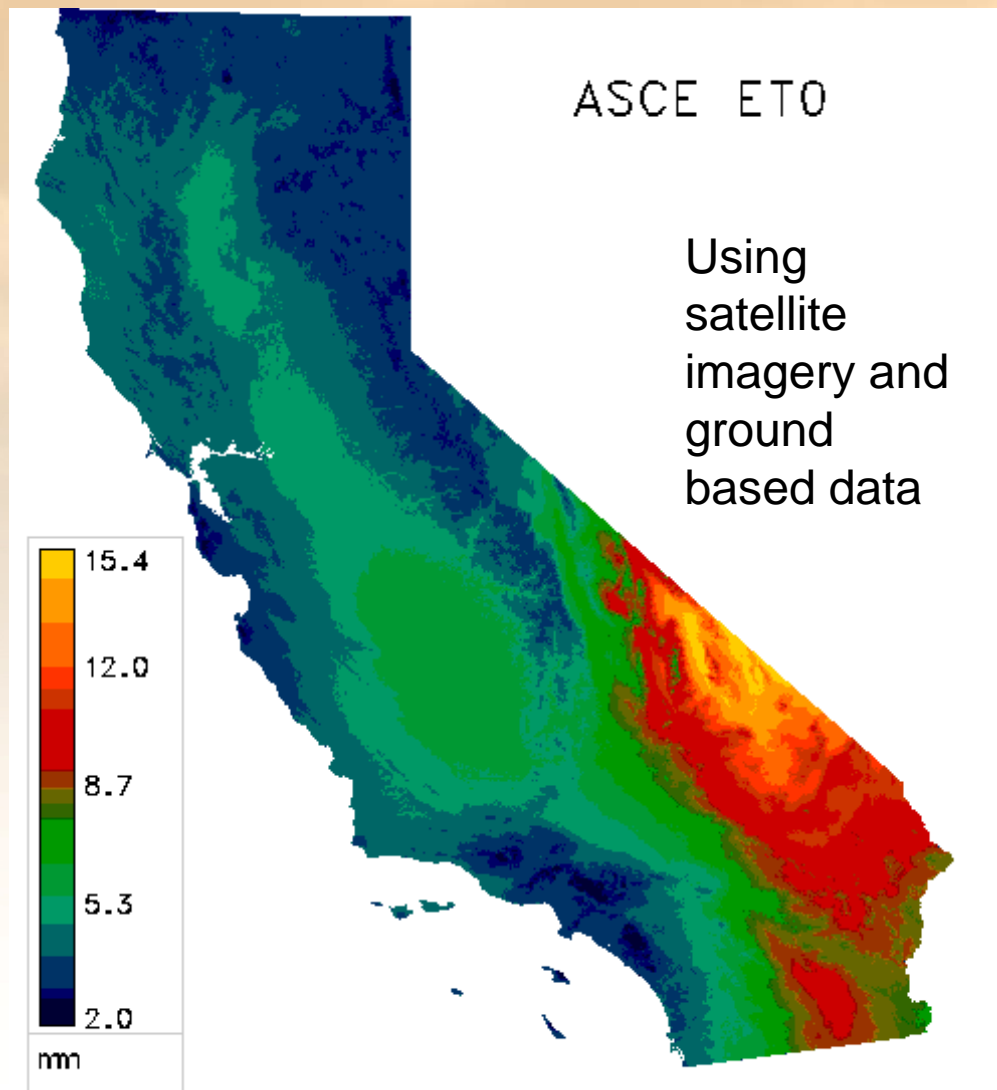
# New CIMIS Data Dissemination Platform – Web Services connects to any end user with web access







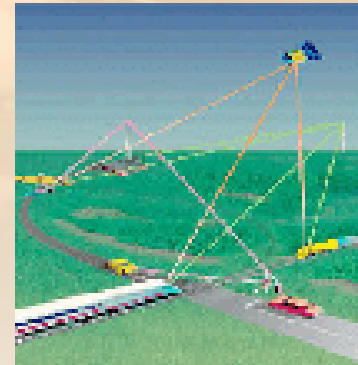
# June 7, 2004 ETo Map





# What Have We Completed?

- Daily ETo data map sets of CA
- Archived data from Feb. 2003
- 2 kilometer resolution
- Data available through web services, CIMIS web site, or automated email reports
- Can request data by geographic coordinate or zip code



# 2008 and 2009 DROUGHT WORKSHOP

- Urban Water Shortage CP
  - Basic steps
  - Basic data
  - Find the savings
  - Provide the minimum
- Agricultural workshops







Water Use and Efficiency  
Branch

[www.owue.water.ca.gov](http://www.owue.water.ca.gov)

# Model Water Efficient Landscape Ordinance

Landscape Graphic Courtesy of  
Sonoma County Water Agency,  
Ali Davidson Landscape Architect  
David Bunnett Illustrator



# Assembly Bill 1881

## Statute of 2006 directed DWR to:

- Update the model water efficient landscape ordinance
- Submit a report to the legislature on statewide compliance with existing ordinance (AB 325)
- Recommend a new ET Adjustment Factor





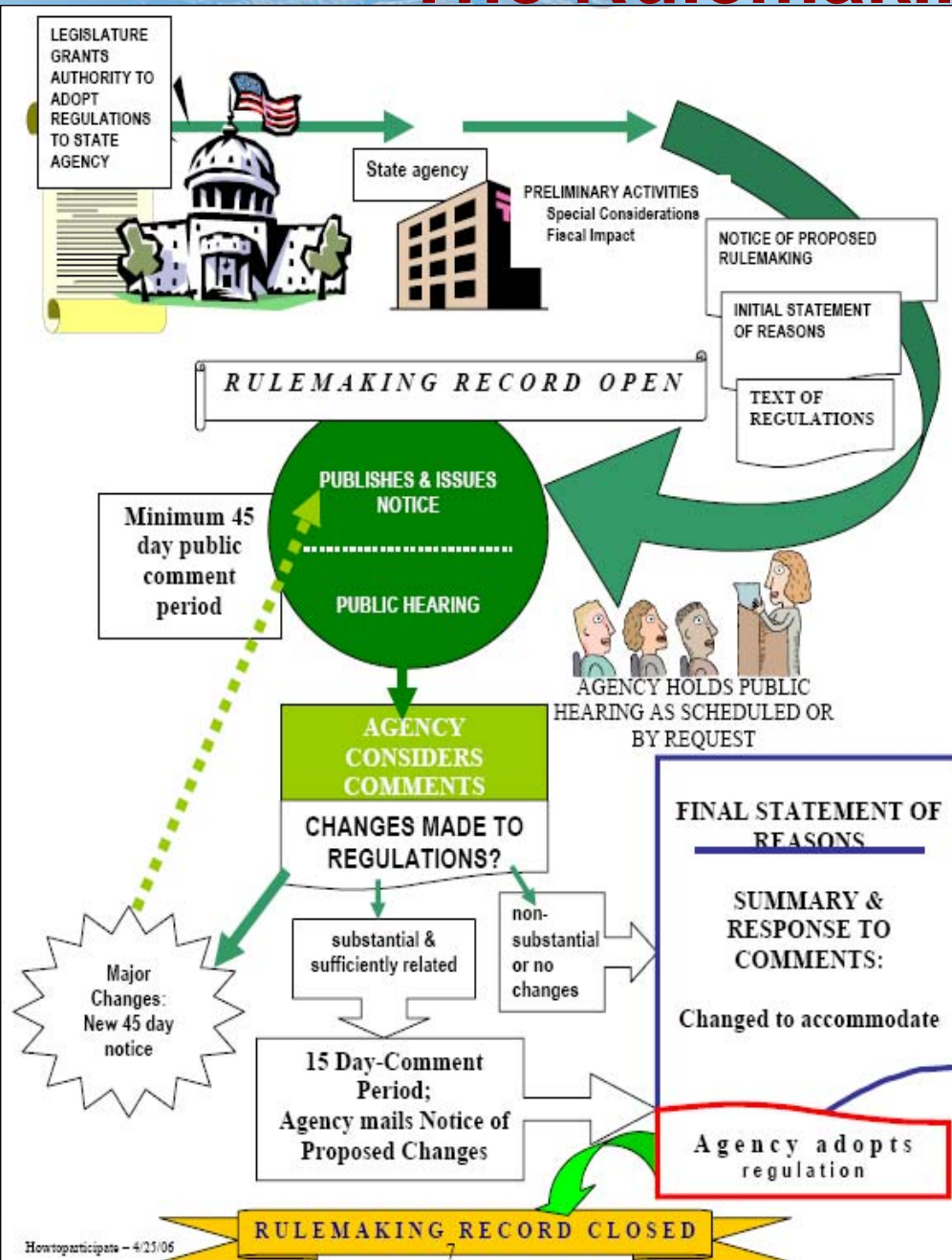
# Assembly Bill 1881

## Ordinance Requirements

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- ★ include provisions to **minimize landscape irrigation overspray and runoff**
- ★ include a **landscape water budget** component
- ★ include provisions for **appropriate use and groupings of plants**
- ★ include provisions for use of **automatic irrigation systems and irrigation schedules** based on climatic conditions
- ★ include provisions for onsite **soil assessment and soil management plans**
- ★ encourage the **capture and retention of storm water onsite**
- ★ encourage the use of **recycled water**
- ★ encourage use of **economic incentives** to promote the efficient use of water
- ★ **educate** water users on the efficient use of water and the benefits
- ★ address regional differences, including **fire prevention** needs
- ★ **exempt** landscaping that is part of a registered historical site
- ★ include provisions for **landscape maintenance practices** that foster long-term landscape water conservation
- ★ promote benefits of **consistent local ordinances**

# The Rulemaking Process



Set forth in  
**Administrative  
Procedure Act  
(APA)**

Reviewed for Compliance  
by  
**Office of  
Administrative Law  
(OAL)**

# Stakeholder Input

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- 13 public discussions in 2007
- 3 informational meetings in 2008
- 2 public comment periods in 2008
- 1 public comment period in 2009





# Department of Water Resources Process



- Modify the Ordinance
- Opportunity for public comment
- Respond to the public comments
- Create record of the rulemaking process

# Important Model Ordinance Dates

February 2008	DWR begins rulemaking process for updating ordinance
February 2008	First public Comment Period
September 2008	Second Public Comment Period
February 2009	DWR submits updated Model Ordinance to the Office of Administrative Law (OAL) for approval.
May 2009	Third Public Comment Period
<b>June/July 2009</b>	<b>DWR anticipates adopting the ordinance</b>
<b>July 2009 <i>Tentative</i></b>	<b>DWR anticipates approval by OAL</b>
January 2010	Local agencies shall adopt the Model Ordinance, or one that is “at least as effective as” the Model Ordinance
January 31, 2011	DWR shall submit a report to legislature on the status of adopted ordinances by local agencies

# Important Water Conservation Dates

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**2008** – Install separate landscape water meters for new development with landscaped area greater than 5,000 square feet; excluding single-family homes.

**2010** – CEC is directed to adopt performance standards and labeling requirements for landscape irrigation controllers and moisture sensors.

**2012** – Sale or installation of irrigation controllers or moisture sensors will be prohibited unless the equipment meets the requirements adopted by CEC.

**2013** – Conversion of un-metered connections served by the Federal Central Valley Project (CVP) to metered connections.

**2025** – Conversion of non-CVP un-metered connections to metered connections



# Governor's Conservation Goal

20x2020

**“A plan to achieve a 20 percent reduction in per capita water use statewide by 2020. Conservation is one of the key ways to provide water for Californians and protect and improve the Delta ecosystem. ....”**



# Dual Plumbing Design Standards for Potable and Recycled Water Systems in Buildings

**California Plumbing Code**  
**Chapter 16A Part II**  
*(formerly known as Appendix J)*

# Dual Plumbing Standards Adoption

- Submit to California Building Standards Commission (CBSC) 2009 code cycle
- Adoption of Dual Plumbing Design Standards for Potable and Recycled Water Systems in Buildings
- California Plumbing Code Chapter 16A, Part II (California Code of Regulations Title 24, Part 5)
- Mandated by Assembly Bill 371 (Goldberg, 2006)



# Proposed Dual Plumbing Design Standards

- Amend 2009 edition of the Uniform Plumbing Code
  - To conform to California Regulations (Titles 17 & 22)
  - To remove cumbersome requirements for installing dual plumbed systems
- Based on the work of the Recycled Water Task Force convened by DWR in 2002 (AB 331 - Goldberg, 2001)
- Amendments developed in cooperation with the CDPH and taking into account public comments



# Proposed Dual Plumbing Design Standards

- Will facilitate the safe installation of dual plumbed systems using both recycled and potable water supplies in buildings
- Will help increase the safe use of recycled water
- Code adoption provides design standards but does not mandate dual plumbing installation
- Dual plumbing installation will remain voluntary and is the decision of the building owner

# CBSC Adoption Timeline

- Jun. 25, 2009: DWR submitted proposed code to CBSC
- Jul. 1 – Aug. 31, 2009 Code Advisory Committee
- Sep. 1 – Oct. 15, 2009: Public Review
- Oct. 30, 2009: DWR submits final document
- Jan. 15, 2010: CBSC Action Meeting, Adopt & Approve
- Jan. 15 – Feb. 9, 2010: Codification and Filing with Secretary of State
- Feb. 9 – Dec. 31, 2010: Code publishing
- Jan. 1, 2011: Title 24-Statewide Effective Date of 2010 California Code

# Drought Assistance Website

<http://www.water.ca.gov/drought>



*San Luis Reservoir*

# Questions?

